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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/838,858

DATE: 02/19/2003

TIME: 13:15:41

Input Set : A:\09838858 sequence listing.txt

Output Set: N:\CRF4\02192003\I838858.raw

4 <110> APPLICANT: Mansfield, Gary S.
 5 Mitchell, Lloyd G.
 6 Garcia-Blanco, Mariano A.
 7 Walsh, Christopher E.
 8 Chao, Hengjun
 10 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR USE IN
 SPLICEOSOME MEDIATED RNA TRANS-SPlicing
 14 <130> FILE REFERENCE: A31304-BAD 072874.01
 16 <140> CURRENT APPLICATION NUMBER: 09/838,858
 17 <141> CURRENT FILING DATE: 2001-04-20
 19 <150> PRIOR APPLICATION NUMBER: 09/756,096
 20 <151> PRIOR FILING DATE: 2001-02-08
 22 <150> PRIOR APPLICATION NUMBER: 09/158,863
 23 <151> PRIOR FILING DATE: 1998-09-23
 25 <150> PRIOR APPLICATION NUMBER: 09/133,717
 26 <151> PRIOR FILING DATE: 1998-08-13
 28 <150> PRIOR APPLICATION NUMBER: 09/087,233
 29 <151> PRIOR FILING DATE: 1998-05-28
 31 <150> PRIOR APPLICATION NUMBER: 08/766,354
 32 <151> PRIOR FILING DATE: 1996-12-13
 34 <150> PRIOR APPLICATION NUMBER: 60/008,317
 35 <151> PRIOR FILING DATE: 1995-12-15
 37 <160> NUMBER OF SEQ ID NOS: 113
 39 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 41 <210> SEQ ID NO: 1
 42 <211> LENGTH: 132
 43 <212> TYPE: DNA
 44 <213> ORGANISM: Homo sapien
 46 <400> SEQUENCE: 1
 47 caggggacgc accaaggatg gagatgttcc agggcgctga tgatgttgg tattttctt 60
 48 aaatcttttg tgatggaaaa cttttcttcg taccacggga ctaaacctgg ttatgttagat 120
 49 tccattcaaa aa 132
 51 <210> SEQ ID NO: 2
 52 <211> LENGTH: 29
 53 <212> TYPE: DNA
 54 <213> ORGANISM: Corynebacterium diphtheriae
 56 <400> SEQUENCE: 2
 57 ggcgctgcag ggcgctgatg atgttgg 29
 59 <210> SEQ ID NO: 3
 60 <211> LENGTH: 36
 61 <212> TYPE: DNA
 62 <213> ORGANISM: Corynebacterium diphtheriae
 64 <400> SEQUENCE: 3

ENTERED

RAW SEQUENCE LISTING
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Input Set : A:\09838858 sequence listing.txt
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65 ggcgaagctt ggatccgaca cgatttcctg cacagg 36
67 <210> SEQ ID NO: 4
68 <211> LENGTH: 68
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Oligonucleotide primer
75 <400> SEQUENCE: 4
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77 ttccctgca 68
79 <210> SEQ ID NO: 5
80 <211> LENGTH: 60
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Oligonucleotide primer
87 <400> SEQUENCE: 5
88 gaaaaaaaaaa gaagaggtac cagtttagtac tcgagtcagg cccgggtgaa gcatacttagag 60
91 <210> SEQ ID NO: 6
92 <211> LENGTH: 24
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Oligonucleotide primer
99 <400> SEQUENCE: 6
100 tcgagcaacg ttataataat gttc 24
102 <210> SEQ ID NO: 7
103 <211> LENGTH: 24
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Oligonucleotide primer
110 <400> SEQUENCE: 7
111 tcgagaacat tattataacg ttgc 24
113 <210> SEQ ID NO: 8
114 <211> LENGTH: 35
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Oligonucleotide primer
121 <400> SEQUENCE: 8
122 aattctctag atcaggccccg ggtgaagcac tcgag 35
124 <210> SEQ ID NO: 9
125 <211> LENGTH: 25
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Oligonucleotide primer
132 <400> SEQUENCE: 9

RAW SEQUENCE LISTING

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Input Set : A:\09838858 sequence listing.txt
 Output Set: N:\CRF4\02192003\I838858.raw

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|---|----|
| 133 tgcttcaccc gggcctgatc tagag | 25 |
| 135 <210> SEQ ID NO: 10 | |
| 136 <211> LENGTH: 18 | |
| 137 <212> TYPE: DNA | |
| 138 <213> ORGANISM: Homo sapien | |
| 140 <400> SEQUENCE: 10 | |
| 141 tgcttcaccc gggcctga | 18 |
| 143 <210> SEQ ID NO: 11 | |
| 144 <211> LENGTH: 16 | |
| 145 <212> TYPE: DNA | |
| 146 <213> ORGANISM: Homo sapien | |
| 148 <400> SEQUENCE: 11 | |
| 149 ctcttctttt ttttcc | 16 |
| 151 <210> SEQ ID NO: 12 | |
| 152 <211> LENGTH: 18 | |
| 153 <212> TYPE: DNA | |
| 154 <213> ORGANISM: Homo sapien | |
| 156 <400> SEQUENCE: 12 | |
| 157 caacgttata ataatgtt | 18 |
| 159 <210> SEQ ID NO: 13 | |
| 160 <211> LENGTH: 16 | |
| 161 <212> TYPE: DNA | |
| 162 <213> ORGANISM: Homo sapien | |
| 164 <400> SEQUENCE: 13 | |
| 165 ctgtgattaa tagcgg | 16 |
| 167 <210> SEQ ID NO: 14 | |
| 168 <211> LENGTH: 16 | |
| 169 <212> TYPE: DNA | |
| 170 <213> ORGANISM: Homo sapien | |
| 172 <400> SEQUENCE: 14 | |
| 173 cctggacgcg gaagtt | 16 |
| 175 <210> SEQ ID NO: 15 | |
| 176 <211> LENGTH: 51 | |
| 177 <212> TYPE: DNA | |
| 178 <213> ORGANISM: Homo sapien | |
| 180 <400> SEQUENCE: 15 | |
| 181 ctgggacaag gacactgctt cacccggta gtagaccaca gccctgaagc c | 51 |
| 183 <210> SEQ ID NO: 16 | |
| 184 <211> LENGTH: 17 | |
| 185 <212> TYPE: DNA | |
| 186 <213> ORGANISM: Homo sapien | |
| 188 <400> SEQUENCE: 16 | |
| 189 cttctgtttt ttttctc | 17 |
| 191 <210> SEQ ID NO: 17 | |
| 192 <211> LENGTH: 16 | |
| 193 <212> TYPE: DNA | |
| 194 <213> ORGANISM: Homo sapien | |
| 196 <400> SEQUENCE: 17 | |
| 197 cttctgtatt attctc | 16 |

RAW SEQUENCE LISTING
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TIME: 13:15:41

Input Set : A:\09838858 sequence listing.txt
Output Set: N:\CRF4\02192003\I838858.raw

199 <210> SEQ ID NO: 18
200 <211> LENGTH: 16
201 <212> TYPE: DNA
202 <213> ORGANISM: Homo sapien
204 <400> SEQUENCE: 18
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207 <210> SEQ ID NO: 19
208 <211> LENGTH: 29
209 <212> TYPE: DNA
210 <213> ORGANISM: Corynebacterium diphtheriae
212 <400> SEQUENCE: 19
213 ggcgctgcag ggcgctgatg atgttgg 29
215 <210> SEQ ID NO: 20
216 <211> LENGTH: 36
217 <212> TYPE: DNA
218 <213> ORGANISM: Corynebacterium diphtheriae
220 <400> SEQUENCE: 20
221 ggcgaaggctt ggatccgaca cgatttcctg cacagg 36
223 <210> SEQ ID NO: 21
224 <211> LENGTH: 21
225 <212> TYPE: DNA
226 <213> ORGANISM: Corynebacterium diphtheriae
228 <400> SEQUENCE: 21
229 catcgatata atttccttgt g 21
231 <210> SEQ ID NO: 22
232 <211> LENGTH: 20
233 <212> TYPE: DNA
234 <213> ORGANISM: Corynebacterium diphtheriae
236 <400> SEQUENCE: 22
237 atggaatcta cataaccagg 20
239 <210> SEQ ID NO: 23
240 <211> LENGTH: 20
241 <212> TYPE: DNA
242 <213> ORGANISM: Corynebacterium diphtheriae
244 <400> SEQUENCE: 23
245 gaaggcttag cactacacgc 20
247 <210> SEQ ID NO: 24
248 <211> LENGTH: 20
249 <212> TYPE: DNA
250 <213> ORGANISM: Homo sapien
252 <400> SEQUENCE: 24
253 cggcacccgtg gccgaagtgg 20
255 <210> SEQ ID NO: 25
256 <211> LENGTH: 30
257 <212> TYPE: DNA
258 <213> ORGANISM: Homo sapien
260 <400> SEQUENCE: 25
261 accggaattc atgaagccag gtacaccagg 30
263 <210> SEQ ID NO: 26

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/838,858

DATE: 02/19/2003
TIME: 13:15:41

Input Set : A:\09838858 sequence listing.txt
Output Set: N:\CRF4\02192003\I838858.raw

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|---|----|
| 264 <211> LENGTH: 20 | |
| 265 <212> TYPE: DNA | |
| 266 <213> ORGANISM: Homo sapien | |
| 268 <400> SEQUENCE: 26 | |
| 269 gggcaagggtg aacgtggatg | 20 |
| 271 <210> SEQ ID NO: 27 | |
| 272 <211> LENGTH: 19 | |
| 273 <212> TYPE: DNA | |
| 274 <213> ORGANISM: Homo sapien | |
| 276 <400> SEQUENCE: 27 | |
| 277 atcaggagtg gacagatcc | 19 |
| 279 <210> SEQ ID NO: 28 | |
| 280 <211> LENGTH: 39 | |
| 281 <212> TYPE: DNA | |
| 282 <213> ORGANISM: Artificial Sequence | |
| 284 <220> FEATURE: | |
| 285 <223> OTHER INFORMATION: Oligonucleotide primer | |
| 287 <400> SEQUENCE: 28 | |
| 288 gcatgaattc ggtaccatgg gggggttctc atcatcatc | 39 |
| 290 <210> SEQ ID NO: 29 | |
| 291 <211> LENGTH: 36 | |
| 292 <212> TYPE: DNA | |
| 293 <213> ORGANISM: Artificial Sequence | |
| 295 <220> FEATURE: | |
| 296 <223> OTHER INFORMATION: Oligonucleotide primer | |
| 298 <400> SEQUENCE: 29 | |
| 299 ctgaggatcc tcttacctgt aaacgccat actgac | 36 |
| 301 <210> SEQ ID NO: 30 | |
| 302 <211> LENGTH: 38 | |
| 303 <212> TYPE: DNA | |
| 304 <213> ORGANISM: Artificial Sequence | |
| 306 <220> FEATURE: | |
| 307 <223> OTHER INFORMATION: Oligonucleotide primer | |
| 309 <400> SEQUENCE: 30 | |
| 310 gcatggtaac cctgcagggc ggcttcgtct gggactgg | 38 |
| 312 <210> SEQ ID NO: 31 | |
| 313 <211> LENGTH: 38 | |
| 314 <212> TYPE: DNA | |
| 315 <213> ORGANISM: Artificial Sequence | |
| 317 <220> FEATURE: | |
| 318 <223> OTHER INFORMATION: Oligonucleotide primer | |
| 320 <400> SEQUENCE: 31 | |
| 321 ctgaaagctt gttaacttat tattttgac accagacc | 38 |
| 323 <210> SEQ ID NO: 32 | |
| 324 <211> LENGTH: 47 | |
| 325 <212> TYPE: DNA | |
| 326 <213> ORGANISM: Artificial Sequence | |
| 328 <220> FEATURE: | |
| 329 <223> OTHER INFORMATION: Oligonucleotide primer | |

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/19/2003
PATENT APPLICATION: US/09/838,858 TIME: 13:15:42

Input Set : A:\09838858 sequence listing.txt
Output Set: N:\CRF4\02192003\I838858.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:54; N Pos. 57,58,59,60,61,62,63,64,65,66,67,68,69,70
Seq#:55; N Pos. 57,58,59,60,61,62,63,64,65,66,67,68,69,70
Seq#:56; N Pos. 57,58,59,60,61,62,63,64,65,66,67,68,69,70
Seq#:85; N Pos. 7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:85; N Pos. 28,29,30
Seq#:100; N Pos. 7,8,9,16,17,18